

Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster St.
Madison, WI 53703
PO Box 7921
Madison, WI 53707-7921

Final Report Form 3400-139 (rev. 7/30/09)
• Targeted Runoff Management Grant Program (ch. NR 163)
• Notice of Discharge Program (ch. NR 163)
• Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 165)

DNR BUREAU OF COMMUNITY
WISCONSIN ADMINISTRATIVE SERVICES

NOTICE: This Final Report is authorized under ss. 281.65 and 281.66., Wis. Stats., and chs. NR 153 and NR 155, Wis. Stats. Information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

INSTRUCTIONS: Your grant agreement requires you to submit a Final Report with your final reimbursement request. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR as described in the instructions.

1. GRANT TYPE Check the one that applies:

- ☐ Targeted Runoff Management Grant – Agricultural
☒ Urban Nonpoint Source & Storm Water Management Grant – Construction
☐ Notice of Discharge Grant
☐ Targeted Runoff Management Grant – Urban
☐ Urban Nonpoint Source & Storm Water Management Grant – Planning

2. PROJECT NAME & LOCATION

2.1. Project Name: Valley View Detention Pond	2.2. Grant Number: USC-LR08-13226-12 B	
2.3. Governmental Unit Name: Fitchburg, City of	2.4. Primary Watershed Name: Lake Monona-Yahara River	2.5. Watershed Code: LR08

NOTE FOR SECTION 2.6 (which follows):

Section 2.6. Includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers.

2.6 Site Location(s) ->	A.	B.	C.	D.	E.
Name of Cost-Share Recipient or Governmental Unit	Fitchburg, City of				
Cost-Share Agreement Number (Agricultural only)					
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	070900020702				
Nearest Surface Receiving Water Affected					
Name:	Nine Springs Creek				
Waterbody Identification Code(s) (WBIC):	804200				
Nearest Impaired Water Affected					
Name:	Nine Springs Creek				
Waterbody Identification Code(s) (WBIC):	804200				
Pollutants Reduced	Sediment (TSS), Total Phosphorus				
Impairments/Impacts Addressed	Sediment (TSS), Total Phosphorus				

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Project Location(s) (cont.) →	A.	B.	C.	D.	E.
Project Coordinates:					
Town	06				
Range	09				
Section	03				
Quarter	NE				
Quarter-Quarter	SW				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	(43,01,32)				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	(89,24,33)				

3. SUMMARY OF RESULTS.

Table A. Agricultural Projects. – Ch. NR 151 Performance Standards and Prohibitions and Other Water Resources Management Priorities

A.1. Management Measures	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting "T"	acres	
Manure Storage Facilities: New Construction/Alterations	Number of facilities	facilities	
	Number of animal units	animal units	
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	facilities	
	Number of animal units	animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	lbs.	
	Number of farms with diversions	farms	
	Number animal units	animal units	
Nutrient Management on Agricultural Land	Acres planned	acres	
Prohibition: Manure Storage Overflow	Number of farms	farms	
	Number of animal units	animal units	
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	farms	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	lbs.	
	Number of facilities	facilities	
	Number of animal units	animal units	
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

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Table A: Agricultural Projects (continued)			
A.2: Other Management Measures	Units of Measure	Quantity	Measurement Method Used
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable) Pollutant load reduction (if method available)		

Table B: Urban Construction Projects Serving Developed Areas			
B.1: Required Management Measures	Units of Measure	Quantity	Measurement Method Used
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced	3867 lbs.	WinSLAMM v10
	TSS reduction	76 %	WinSLAMM v10
B.2: Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
Infiltration	Pre-development stay-on volume	%	
	Stay-on volume	ft ³ /year	
Peak flow discharge for 2 year/24 hour design storm	Change in cubic feet per second for design year	ft ³ /sec	
Protective areas	Bank protected	feet	
Fueling & maintenance areas	Oil sheen presence reduced	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Streambank & Shoreline Protection	Bank erosion reduced	tons	
	Bank protected	feet	
Other: Phosphorus	Pollutant load reduction (if method available)	61 % - WinSLAMM v10	
	Units (use feet, acres or number as applicable)	8 lbs - WinSLAMM v10	

Table C: Urban Planning Projects			
C.1. Governmental unit(s) involved (list by name):			
C.2. Estimate total acres covered by the	Existing Developed Urban Areas	New Development	Total Acres

Final Report Form 3400-189 (rev. 7/30/09)

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planning product:	acres	acres	acres
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C.3. Products developed (check all below that apply)	Identify Documents by Name (if applicable)
<input type="checkbox"/> Storm Water Plan	
<input type="checkbox"/> Construction or Erosion Ordinances	
<input type="checkbox"/> Post-construction Storm Water Ordinances	
<input type="checkbox"/> Other Types of Storm Water Quality Ordinances	
<input type="checkbox"/> Financing Methods: identified and evaluated	
<input type="checkbox"/> Financing Methods: developed or implemented	
<input type="checkbox"/> I & E Plan	
<input type="checkbox"/> I & E Implementation Activities	
<input type="checkbox"/> Other:	
C.4. Identify the Storm Water goals addressed (check all that apply)	
<input type="checkbox"/> Reduce TSS	Comments:
<input type="checkbox"/> Maintain infiltration	
<input type="checkbox"/> Control Peak Flow	
<input type="checkbox"/> Protective Areas	
<input type="checkbox"/> Control of Fueling & Maintenance Areas	
<input type="checkbox"/> Remove Illicit Discharges	
<input type="checkbox"/> Other:	

4. Satisfaction of Notice Requirements. If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Chs. NR 151 or 243 Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

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5. Additional Information. (Space will expand to fit your text.)

The City of Fitchburg applied to WDNR for an Urban Non-Point Source & Storm Water (UNPS&SW) Planning Grant on May 2, 2011 for the construction of the Valley View Detention Pond. WDNR notified Fitchburg on February 10, 2012 that the grant was successful and that Fitchburg would be eligible for grant funding for the January 1, 2012 to December 31, 2013 time period. The pond itself was part of a larger City of Fitchburg Post/Index Rd. extension project. The Valley View Retention Pond is located at the northwest corner of the newly constructed intersection of Post Rd and Index Rd.

This project consisted of the construction of a Wet Detention Pond southeast of the Valley View Apartments along Fish Hatchery Road. This area was developed in the 1980s prior to stormwater detention being required. Before the pond was constructed, stormwater runoff from the Valley View Apartments drained directly onto downstream private property with no means of improving water quality or controlling water quantity. Severe erosion and sedimentation had occurred on the private property downstream of the Valley View Apartments. This pond is designed to control Total Suspended Solids to more than a 40% removal efficiency and to control peak discharges to predevelopment rates. The existing invasive plant species (honeysuckle, buckthorn, reed canary grass, dames rocket, and garlic mustard, etc.) were removed and replaced with native vegetation following the final grading of the wet detention pond.

Project plans were created by KL Engineering and approved by the City in March 2012. The general contractor for the project was RG Huston, Inc. Construction began in May 2012 with the contours of the pond graded in June 2012. On July 23, 2013, placement of the storm sewer system surrounding and servicing the pond was completed including the outfalls and release structure. On August 20, 2012, rip rap and erosion mat were installed. The project reached substantial completion in late September 2012. Photos of the site before and after the installation of the pond can be found in Attachment #1. Vegetation on the site has continued to mature. The retention pond has been successful at capturing stormwater runoff from the new roads as well as the existing apartment complex with no erosion or flooding problems.

6. Summary of Project Challenges. (Space will expand to fit your text.)

Overall the Valley View Pond project went fairly smoothly. Since it was adjacent to a larger road construction project it was easier to make field adjustments as needed. The nature of the existing area (sheet flow parking lots and rooftop runoff spouted to parking lots) meant it was challenging to channel the runoff from the existing impervious areas to the pond. It may be beneficial to include pipe installation costs to move water to a pond as an eligible cost. A pond designed to treat runoff from existing areas will not perform as well as it could if not all the water can get to it.

7. Grantee Certification.

Checking here ☒ certifies that, to the best of your knowledge, the information contained in this report is correct.

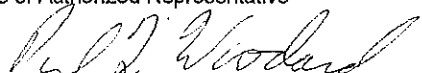
Name of Authorized Representative (type or print) ↓

Paul Q. Woodard

Title of Authorized Representative (type or print) ↓

Director of Public Works

Signature of Authorized Representative



Date

2-5-14

8. For Departmental Use Only.

Regional NPS Coordinator – Please complete the following:

8.A. Check here ☒ if you have received the following from the project sponsor:

- one (1) printed, signed, original Final Report + attachments
- one (1) electronic version of Final Report

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

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8.B. Comments about this project:

8.C. Type or print Name of Regional NPS Coordinator →

Mike Gilbertson

8.D. Signature of Regional NPS Coordinator



8.E. Date

4/16/14